**BOSTER BIOLOGICAL TECHNOLOGY**
3942 B Valley Ave, Pleasanton, CA 94566

Phone: 888-466-3604 Fax: 925-215-2184 Email: boster@bosterbio.com Web: www.bosterbio.com

**Safety Data Sheet**

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Identification of the Substance

Catalog Number A03004-1

Product Name Anti-RASGRP1 Antibody Picoband®

### 1.2 Application of the substance or mixture

For research use only.

### 1.3 Company Identification

Boster Biological Technology Co., Ltd.

3942 B Valley Ave, Pleasanton, CA, 94566, USA.

Phone: (888) 466-3604 Fax: (925) 215-2184

## 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture** Not a hazardous substance or mixture.

**2.2 GHS Label elements, including precautionary statements** Not a hazardous substance or mixture.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

No components need to be disclosed according to the applicable regulations.

## 4. FIRST AID MEASURES

| | |
|---|---|
| **Skin contact** | Wash off immediately with soap and plenty of water. |
| **Eye contact** | Rinse immediately with plenty of water. Consult a physician. |
| | |

| | |
|---|---|
| **Ingestion** | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |
| **Inhalation** | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **Notes to physician** | Treat symptomatically. |

## 5. FIRE FIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for firefighters** | Wear self-contained breathing apparatus and protective suit. |
| **Special hazards arising from the substance or mixture** | Nature of decomposition products not known. |

## 6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| **Personal precautions** | For personal protection see section 8. |
| **Environmental precautions** | Do not let product enter drains. |
| **Methods and materials for containment and cleaning up** | Keep in suitable, closed containers for disposal. |
| **Reference to other sections** | For disposal see section 13. |

## 7. HANDLING AND STORAGE

| | |
|---|---|
| **Handling** | No special handling advice required. |
| **Storage** | Store according to product specifications. |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Components with workplace control parameters**

Contains no substances with occupational exposure limit values

### 8.2 Exposure controls

**Appropriate engineering controls**

Follow general industrial hygiene and safety practice.

**Personal protective equipment**

| | |
|---|---|
| **Respiratory protection** | In case of insufficient ventilation wear suitable respiratory equipment |
| **Hand protection** | Impervious gloves |
| **Eye protection** | Safety glasses with side-shields |
| **Skin and body protection** | Lightweight protective clothing |

**Environmental exposure controls**

Prevent product from entering drains

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Important Health Safety and Environment Information**

| | |
|---|---|
| **a) Appearance Form:** | Lyophilized powder or aqueous solution |
| **b) Odour** | no data available |
| **c) Odour Threshold** | no data available |
| **d) pH** | no data available |
| **e) Melting point/freezing point** | no data available |
| **f) Initial boiling point and boiling range** | no data available |
| **g) Flash point** | no data available |
| **h) Evaporation rate** | no data available |
| **i) Flammability (solid, gas)** | no data available |
| | |

| | |
|---|---|
| **j) Upper/lower flammability or explosive limits** | no data available |
| **k) Vapour pressure** | no data available |
| **l) Vapour density** | no data available |
| **m) Relative density** | no data available |
| **n) Water solubility** | no data available |
| **o) Partition coefficient: noctanol/water** | no data available |
| **p) Auto-ignition temperature** | no data available |
| **q) Decomposition temperature** | no data available |
| **r) Viscosity** | no data available |
| **s) Explosive properties** | no data available |
| **t) Oxidizing properties** | no data available |

## 10. STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | no data available |
| **Chemical Stability** | Stable under recommended storage and handling conditions. |
| **Possibility of hazardous reactions** | no data available |
| **Conditions to avoid** | no data available |
| **Incompatible materials** | Strong oxidizing agents, strong acids/alkalis |
| **Hazardous decomposition products** | no data available |

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** no data available

**Principle Routes of Exposure/Potential Health effects**

| | |
|---|---|
| **Eye irritant effect** | no data available |
| **Skin irritant effect** | no data available |
| **Sensitization** | no data available |
| **Mutagenicity** | no data available |
| **Germ cell mutagenicity** | no data available |
| **Reproductive toxicity** | no data available |
| **Carcinogenicity** | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA. |
| **Additional toxicological information** | no data available |

## 12. ECOLOGICAL INFORMATION

| | |
|---|---|
| **Ecotoxicity** | no data available |
| **Mobility** | no data available |
| **Biodegradation** | no data available |
| **Bioaccumulation** | no data available |

## 13. DISPOSAL CONSIDERATIONS

| | |
|---|---|
| **Disposal methods** | Dispose of waste in accordance to applicable national, regional, or local regulations. |
| **Contaminated packaging** | Dispose of as unused product. |

## 14. TRANSPORT INFORMATION

| | |
|---|---|
| | |

| | |
|---|---|
| **DOT (US)** | Not dangerous goods |
| **IMDG** | Not dangerous goods |
| **IATA** | Not dangerous goods |

## 15. REGULATORY INFORMATION

### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

No SARA Hazards

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. OTHER INFORMATION

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Boster Corporation cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.